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A method of verifying that a server is authorized to provide resources to a client, comprising the steps of:

generating and encrypting a first message at the client, the first message including a random number;

transmitting the first message to the server;

receiving an encrypted second message from the server;

decrypting the second message at the client; and

determining, by the client, whether the random number has been included in the second message, wherein the inclusion of the random number in the second message indicates that the server is authorized to provide resources to the client.